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BUREAU OF LAND MANAGEMENT

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ANNUAL FIRE REPORT

Calendar Year 1964

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UNITED STATES DEPARTMENT OF THE INTERIOR

BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT

Calendar Year 1964

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BUREAU OF LAND MANAGEMENT
ANNUAL FIRE REPORT
1964

The 1964 fire season ran the gamut from the lowest acreage burned on record in Alaska, 3,332 acres, to the violent lightning-caused fires in Nevada's Elko District that burned 265,000 acres. (See Appendix for detailed statistical information showing the number of fires, acreage burned, etc.)

TYPES OF PROTECTION

Fire protection was provided on approximately 403 million acres during the season, either by force account or contractual arrangement with other Federal agencies or State and private protection organization. 1/ At the end of the season, overall resource loss to Bureau lands was valued at $2 million.

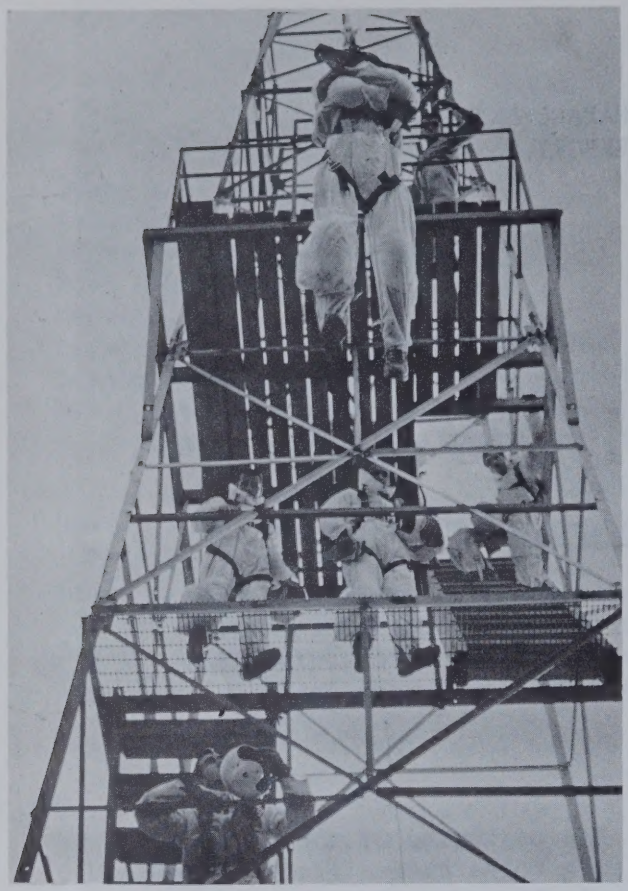
PREVENTION

During the year and immediately prior to the beginning of the fire season, the Bureau engaged in a number of activities to safeguard its lands and resources as a "green legacy for tomorrow." It took a leading role in the development and operation of fire training schools. Courses included smokejumper training and other important air operation activities. In addition to the fire training conducted by the Bureau, BLM personnel attended similar schools supervised by other agencies.

Additional fire trails were built and placed in service. Fire breaks were constructed and existing breaks were maintained in the high hazard areas. Recreation facilities were fireproofed, patrolled, and camp fire permits were issued. Where necessary, as the season progressed, certain high hazard areas were closed to all but necessary travel. As a further emphasis on prevention, timber sale contracts included fire stipulations which were rigidly enforced in all BLM timber operations. Lookout stations and other fire control facilities were built during the season.

The public was urged, through a wide variety of media, to cooperate with the Bureau and other Federal, State and local organizations in safeguarding its public lands and resources from fire, vandalism, and other depredations.

1/ Force account fire protection is provided entirely by the use of fire control forces and facilities supervised and operated by the Bureau. Contractual arrangements are employed where BLM lands are adjacent to lands protected and administered by other organizations in conjunction with the protection of their own specific areas of responsibility or ownership.



FAIRBANKS, ALASKA SMOKEJUMPER SHOCK TOWER

BOISE DISTRICT, IDAHO, HELITACK TEAM

In a concentrated effort to advance public awareness of fire prevention and control, fire control personnel throughout the Bureau showed movies and slides to children and to adult groups, gave talks before civic organizations, and through the press, radio, and television stressed the urgency of fire prevention. The Bureau's campaign to prevent fires enlisted the cooperation of ranchers and hunters, who were given instructions in fire suppression methods.

CHARACTER OF THE SEASON

In some areas during the burning period the weather cooperated, as in Alaska, where the relative humidity remained favorable to fire control throughout the season. For the most part, however, weather conditions varied widely--ranging from normal to extreme. In some States the burning period lasted longer, continuing high winds aggravated rate of spread and persisted longer, and evening temperatures were higher and humidity lower than average. In Nevada's Elko District the combination of extreme fire weather and heavy fuel conditions resulted in explosive fires almost from the start of the season until October.

The "extreme" of the season was pinpointed in California, where a 100-acre fire occurred in the Bakersfield District during Christmas week at the same time when disastrous floods were experienced in the northern part of the State with up to 46 inches of rainfall.

On other public lands administered by the Bureau, New Mexico had a dry and windy spring and summer, which held the fire danger high until mid-July. Then lightning storms came accompanied by precipitation which reduced the fire danger considerably. In Idaho and Oregon a moderate to high fire danger existed through October to such a degree that in the fall it was not safe in many areas to undertake slash-burning operations. In Utah a more than normal precipitation in May and June was followed by a drouth period lasting until November.

FUEL CONDITIONS

Weather and fuel conditions normally dictate the number of fires which start from carelessness; however, the occurrence of lightning is usually the basis for the severity of the fire season. During the calendar year there occurred 657 man-caused fires, and lightning was responsible for 544.

Snow lingering two weeks later than normal on the hills in Alaska, and secondary flooding of the lowlands a week after breakup floods occurred, combined to keep fuels moist during the critical June drying period. When drying conditions built up in late July, the season was then so far advanced that the relative humidity and maximum daytime and evening temperatures were favorable to control. A similar situation existed in Montana.

Extreme flash fuel conditions result in fires picking up a "head" early in the initial burning period

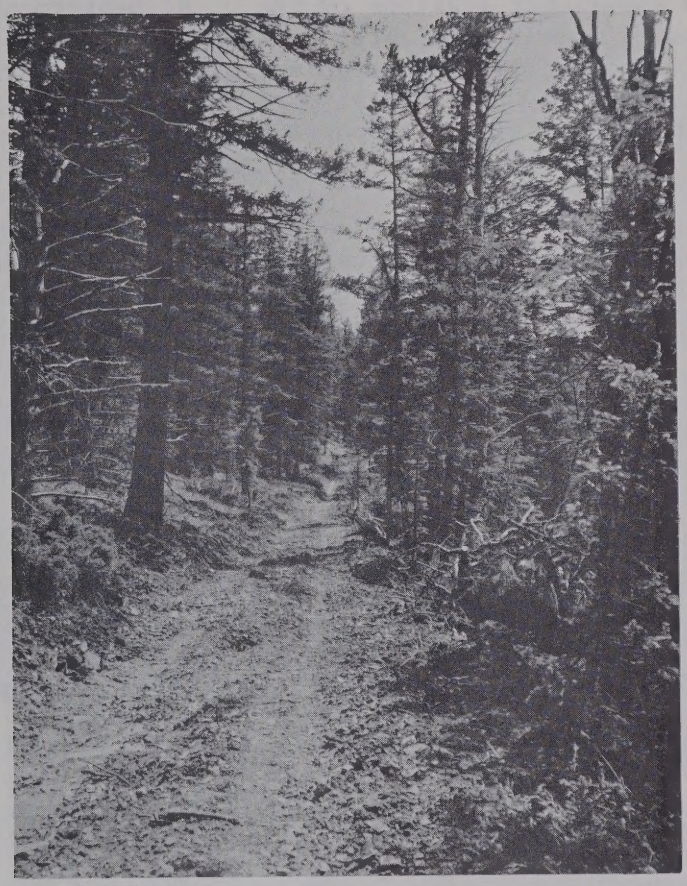
Added to the carryover from the previous year, in most States the above-average amounts of flash fuels presented a high hazard. Late spring rains caused a heavy growth of grass, brush, and understory plants. The drying out of other fuels contributed to this condition.

In the Elko District in Nevada, three years of late winter and spring moisture had increased the fuel accumulation and continuity of flash fuels to such an extent that in some parts of the district they resembled heavy stands of dry hay.

In western Oregon the areas of concentrated blowdown remaining from the October 1962 storm provided more fuel than normal, and extensive areas of dead sagebrush from the webworm infestation increased the fire danger. Unusually warm October weather in this State, as well as in Idaho, was an obstacle to planned slash disposal operations as they were considered unsafe.

COOPERATION

The Bureau continued to receive generous responses from other agencies within the Department during the fire season, namely, National Park Service, Bureau of Indian Affairs, Bureau of Reclamation, and the Bureau of Sport Fisheries and Wildlife.



PRYOR MOUNTAIN FIRE TRAIL
BILLINGS DISTRICT OFFICE
MONTANA

The cooperation of these agencies was supplemented by the help offered by numerous other sources outside the Department. These include the Forest Service and experiment stations of the U. S. Department of Agriculture, Army, Weather Bureau, FAA, State and county firefighting organizations, railroad and lumber companies, pilots, and rural firefighting organizations. It was gratifying to experience the willing and cooperative attitude of all agencies, particularly those that participated with the Bureau in fire activities during the Nevada emergency.

Agreements to provide cooperation in fire detection, weather reporting, and other mutual assistance arrangements have been entered into with many of the above agencies and organizations. Working relationships continue to remain excellent.

Organized Crews

The Bureau cannot praise too highly the invaluable assistance rendered by organized firefighting crews.

WINNEMUCCA, NEVADA, ORGANIZED FIRE CREW

The effectiveness and teamwork on the part of Indian crews on the fire line also cannot be overemphasized. Special credit is due again this year to the work of the Indian crews from the Southwest, who continue to set a high standard of achievement in firefighting activities.

MONTANA CROW INDIAN FIRE CREW ON MOP-UP OPERATIONS

In Montana Indian crews from the Crow Tribe were invaluable on the fire line and the crews from Fort Belknap were also well organized and cooperative. With a little more training the latter will make excellent fire crews next season.

In Idaho the Shoshone-Bannock ("Sho-Bans") are highly trained and were used effectively throughout Idaho and surrounding States.

For the first time the Bureau utilized the services of Indian crews from the Spokane, Nez Perce, Colville and Yakima Tribes. With more training these men will also form another dependable source with which to combat fires on BLM lands.

The crews from the Paiute Indian Tribe of the Pyramid Lake Indian Reservation in Nevada were another valuable firefighting source and proved their ability in first line reinforcement operations, particularly on the larger fires.

In Alaska the Bureau continues to train and organize Eskimo and Indian crews.

In addition to the Indian crews, firefighters were organized among the Spanish-Americans in the farm labor camp along the Snake River in Oregon. They are known as the Snake River Valley Firefighters and proved their efficiency and ability as the fire season progressed.

IDAHO SHOSHONE-BANNOCK INDIAN FIREFIGHTING CREW

ALASKA

STATISTICS OF SMOKEJUMPER ACTIVITIES

1964

June 1 to June 30	13 Fires	75 Jumps
July 1 to July 31	36 Fires	178 Jumps
August 1 to August 31	5 Fires	28 Jumps

Total jumps (with respect to fire activity)	519
Total fire jumps	281
Total practice jumps	238
Average distance to fires	225 Miles
Longest distance to a fire	495 Miles
Shortest distance to a fire	7 Miles
Initial attack w/borate	4 Fires
Initial attack w/o borate	50 Fires
Average smokejumpers per fire	5.2 Men
Fairbanks fires jumped	40 Fires
Anchorage fires jumped	14 Fires
Trained experienced Men	26 Men
Trained new men	15 Men
Two injuries - One lost time	
Total available men to jump on fires (including Missoula contingent)	64 Men
Fairbanks men	32
Anchorage men	6
Engineer men	6
Missoula contingent	20

MILITARY AND NATIONAL GUARD ASSISTANCE

The Air Force was most helpful during the Nevada emergency. It provided helicopters, heavy equipment, medical teams and crews; 15 Air Force transport aircraft were used to dispatch Southwest Indian firefighters to the Nevada fires. In Oregon radar stations operated by the military cooperated most effectively with the Bureau. For the most part, however, it is unnecessary to call upon military personnel during the 1964 fire season. National Guard facilities were used in Montana, Nevada, New Mexico and Wyoming. It was extremely helpful in providing the Bureau with supply transportation, crews, and field kitchen facilities.

FIELD KITCHEN UNIT

During the season, as in previous years, heavy equipment and aircraft services were obtained primarily through contract agreements. Generally equipment contracts within each district are adequate for handling other than large extra-period fires. For a normal fire load, BLM equipment is amply supplemented through the Forest Service, General Services Administration, and privately owned facilities. Emergency equipment is always kept on hand in each district, consisting mainly of hand tools, water tanks and trailer-mounted pumpers.

As in previous years, fires occurring on State and private intermingled lands which are not under organized protection remain a complex control problem. Until effective measures are inaugurated relating to State and private land ownership in all States, the Bureau is forced to participate in suppression activities which include non-Federal responsibilities.

LOG BARRACKS UNDER CONSTRUCTION USED TO HOUSE FIRE CREWS DURING FIRE SEASON

Table 1

Area Receiving Protection, Acreage Burned and Percent of Area Burned

State	Area Receiving Protection (1,000 Acres)	Area Burned in CY 1964	Percent Burned in CY 1964	5 - Year 1/ Average Percent Burned
Alaska (FA) 2/	220,000	2,709	0.0012	0.0209
Arizona (FA)	14,310	734	0.0051	0.0238
California (FA)	13,248	6,593	0.0489	0.0325
California (Cont.) 3/	2,056	10,675	0.5191	0.5364
Colorado (FA)	8,692	709	0.0082	0.0361
Idaho (FA)	11,502	57,803	0.5024	0.8165
Idaho (Cont.)	538	2	0.0004	0.2795
Minnesota (Cont.)	40	0	0.0000	0.1800
Montana (FA)	8,824	7,602	0.0861	0.0945
Montana (Cont.)	245	30	0.0123	0.2167
Nevada (FA)	52,099	191,252	0.3670	0.0856
New Mexico (FA)	13,904	1,096	0.0078	0.0085
Oregon (FA)	12,608	12,641	0.1002	0.3508
Oregon (Cont.)	2,769	503	0.0182	0.1093
South Dakota (FA)	395	2	0.0005	--
Utah (FA)	24,364	687	0.0023	0.0161
Washington (Cont.)	152	80	0.0526	0.1954
Wyoming (FA)	17,424	934	0.0054	0.0099
TOTAL (FA)	397,372	282,762	0.0711	0.0603
TOTAL (Cont.)	5,892	11,290	0.1916	0.2705
GRAND TOTAL	403,264	294,052	0.0729	0.0635

1/ Average annual burn (Table 2) divided by area receiving protection.

2/ Force Account Protection

3/ Contract Protection

TABLE 2

Acreage Burned by Years and
Average for Past Five-Year Period

State	Acreage					
	1960	1961	1962	1963	1964	Average 5-Year
Alaska (FA) 1/	85,240	1,547	38,874	16,072	2,709	45,936
Arizona (FA)	22,687	2,744	578	178	734	5,384
California (FA)	4,377	4	9,331	1,202	6,593	4,301
California (Cont.) 2/	15,313	--	27,299	1,853	10,675	11,028
Colorado (FA)	2,577	4,458	3,424	4,536	709	3,140
Idaho (FA)	124,367	29,509	65,464	192,418	57,803	93,912
Idaho (Cont.)	4,448	--	2,174	896	2	1,504
Minnesota (Cont.)	--	--	360	--	--	72
Montana (FA)	4,738	4,463	81	24,295	7,602	8,235
Montana (Cont.)	1,114	1,168	2	341	30	531
Nevada (FA)	4,220	10,935	3,863	12,874	191,252	44,628
New Mexico (FA)	794	211	602	3,178	1,096	1,176
New Mexico (Cont.)	2	348	--	--	--	70
Oregon (FA)	66,065	78,689	3,495	60,320	12,641	44,242
Oregon (Cont.)	9,379	3,698	815	734	503	3,025
South Dakota (FA)	--	--	--	--	2	--
Utah (FA)	2,163	9,205	5,355	2,260	687	3,934
Washington (Cont.)	269	111	90	939	80	297
Wyoming (FA)	3,724	169	2,304	1,468	934	1,719
Total (FA)	320,952	141,934	133,371	318,801	282,762	239,564
Total (Cont.)	30,525	5,325	30,740	4,763	11,290	16,528
GRAND TOTAL	351,477	147,259	164,111	323,564	294,052	256,092

1/ Force Account Protection

2/ Contract Protection

TABLE 3

Number of Fires and average
past 5-year period

State	1960	1961	1962	1963	1964	Average 5-Years
Alaska (FA) 1/	253	89	88	173	115	144
Arizona (FA)	47	26	16	11	8	22
California (FA)	40	18	6	32	138	47
California (Cont.) 2/	71	--	157	40	64	66
Colorado (FA)	84	63	92	102	86	85
Idaho (FA)	327	188	219	250	156	228
Idaho (Cont.)	16	6	25	33	4	17
Minnesota (Cont.)	--	--	2	--	--	4
Montana (FA)	107	67	22	70	40	61
Montana (Cont.)	11	8	7	16	4	9
Nevada (FA)	129	104	124	192	190	148
New Mexico (FA)	35	27	24	32	22	28
New Mexico (Cont.)	2	1	1	--	--	8
Oregon (FA)	260	256	114	268	182	216
Oregon (Cont.)	144	124	68	83	68	97
South Dakota (FA)	--	--	--	--	1	2
Utah (FA)	57	57	76	71	77	68
Washington (Cont.)	7	30	8	25	7	15
Wyoming (FA)	38	33	34	39	29	35
Total - (FA)	1,377	928	815	1,240	1,044	1,081
Total - (Cont.)	251	169	268	197	147	206
GRAND TOTAL	1,628	1,097	1,083	1,437	1,191	1,287

TABLE 4

Summary of All Fires Suppressed
by the
Bureau of Land Management
(CY 1960-1964)

Type of Protection	Year	Fires Suppressed			Area Burned (Acres)			Protection Costs (Dollars) Fiscal Year		
		Public Land	Other Land	Total	Public Land	Other Land	Total	Presup.& Contract	Suppression	Total
Force Account	1960	880	497	1,377	320,952	123,441	444,393	854,543	3,036,201	3,890,744
	1961	633	295	928	141,934	54,490	196,424	1,082,785	3,826,895	4,909,680
	1962	710	105	815	133,371	53,642	187,013	1,559,773	1,427,701	2,987,474
	1963	801	439	1,240	190,525	128,276	318,801	2,274,900	2,375,504	4,650,404
	1964	1,044	224	1,268	282,762	201,687	484,449	2,350,752	2,845,823	5,196,575
Contract: O&C Lands (Western Oregon)	1960	94	--	94	935	--	935	413,863	--	413,863
	1961	100	10	110	2,018	584	2,602	461,018	--	461,018
	1962	56	1	57	809	1,876	2,685	514,428	--	514,428
	1963	65	6	71	2,059	2,704	4,763	774,000	--	774,000
	1964	54	2	56	303	58	361	563,383	--	563,383
Contract: Public Land	1960	141	16	157	29,588	107,753	137,341	583,171	--	583,171
	1961	54	5	59	3,307	2,622	5,929	607,254	--	607,254
	1962	206	5	211	29,931	131,176	161,107	648,782	--	648,782
	1963	113	13	126	1,655	2,374	4,029	834,800	--	834,800
	1964	93	9	102	10,987	4,417	15,404	665,902	--	665,902
TOTAL	1960	1,115	513	1,628	351,475	231,194	582,669	1,851,577	3,036,201	4,887,778
	1961	787	310	1,097	147,259	57,696	204,955	2,151,057	3,826,895	5,977,952
	1962	972	111	1,083	164,111	186,694	350,805	2,722,983	1,427,701	4,150,684
	1963	979	458	1,437	194,239	133,354	327,593	3,883,700	2,375,504	6,259,204
	1964	1,191	235	1,426				3,580,037	2,845,823	6,425,860

TABLE 5

Summary of All Fires Suppressed
by the
Bureau of Land Management
(Calendar Year 1964)

Type of Protection	Fire Suppression			Area Burned (Acres)			Protection Costs (Dollars)		
	Public Land	Other Land	Total	Public Land	Other Land	Total	Pres. and Contract	Suppression	Total
Force Account	1,044	224	10,268	282,762	201,687	484,449	2,350,752	2,845,823	5,196,575
Contract:									
Western Oregon	54	2	56	303	58	361	563,382	--	563,382
Public Lands	93	9	102	10,987	4,417	15,404	665,902	--	665,902
TOTAL	1,191	235	1,346	294,052	206,162	500,214	3,580,036	2,845,823	6,425,859

TABLE 5a

BLM FIRE CONTRACT COSTS
FY 1965

State	Acres	Per Acre Cost	Total Cost
California	2,049,919	24.1	$ 494,327
Idaho	475,259	15.7	74,843
Minnesota	40,732	5.0	2,037
Montana	244,792	9.1	23,453
New Mexico	93,978	4.0	3,759
Oregon			
Western (O&C)	2,353,675	23.9	563,382
Eastern	429,474	11.4	48,902
Washington	147,802	12.5	18,581
GRAND TOTAL	5,835,631	21.1	$1,229,284

TABLE 6

Form 4–1610
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STATISTICAL FIRES
ANNUAL FIRE REPORT

ESTIMATED FORCE ACCOUNT SUPPRESSION COST SUMMARY*

Calendar Year 19 64

STATE		PERSONNEL SERVICES								OPERATING SERVICES			(12) TOTAL SUPPRESSION COSTS
		MAN DAYS				FUNDS				(9) EQUIPMENT & SUPPLIES	(10) OTHER DIRECT COSTS	(11) OTHER COOPERATIVE VALUES	
		(1) PERMANENT	(2) SEASONAL	(3) EMERGENCY	(4) TOTAL MAN DAYS	(5) COOPERATION	(6) REGULAR	(7) FIRE FIGHTING	(8) PERSONNEL COSTS				
Arizona	02	37	42	71	150	--	698	2,534	3,232	1,746	245	--	5,223
California	04	142	158	1,624	1,924	1,319	2,568	33,706	37,593	25,464	104,163	--	167,220
Colorado	05	468	427	1,588	2,483	119	6,389	43,118	49,626	21,639	7,787	--	79,052
Idaho	11	350	1,265	2,802	4,417	1,159	8,337	77,435	86,931	99,311	15,222	--	201,464
Montana	25	358	215	510	1,083	24,039	3,829	22,107	49,975	18,482	1,500	66	70,023
Nevada	27	3,862	2,014	18,343	24,219	725	40,360	666,047	707,132	798,345	223,415	--	1,728,892
New Mexico	30	204	91	93	388	180	1,803	9,963	11,946	2,196	2,086	--	16,228
Oregon	36	658	393	1,933	2,984	3,219	3,481	51,357	58,057	29,284	37	--	87,378
Utah	43	180	190	581	951	190	1,380	18,327	19,897	10,233	711	1	30,842
South Dakota	40	6	4	--	10	--	132	143	275	353	--	--	628
Wyoming	49	363	171	205	739	3,412	3,785	12,806	20,003	14,739	2,011	250	37,003
Alaska	50	237	1,422	3,720	5,379	4,062	18,024	148,124	170,210	202,124	9	--	372,343
BUREAU TOTAL		6,865	6,392	31,470	44,727	38,424	90,786	1,085,667	1,214,877	1,223,916	357,186	317	2,796,296

* *Based on Form 4–1573*

A-6

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Form 4–1610
(March 1962)

TABLE 6A

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Non-Statistical
ANNUAL FIRE REPORT

ESTIMATED FORCE ACCOUNT SUPPRESSION COST SUMMARY*

Calendar Year 1964

STATE		PERSONNEL SERVICES								OPERATING SERVICES			(12) TOTAL SUPPRESSION COSTS
		MAN DAYS				FUNDS							
		(1) PERMANENT	(2) SEASONAL	(3) EMERGENCY	(4) TOTAL MAN DAYS	(5) COOPERATION	(6) REGULAR	(7) FIRE FIGHTING	(8) PERSONNEL COSTS	(9) EQUIPMENT & SUPPLIES	(10) OTHER DIRECT COSTS	(11) OTHER COOPERATIVE VALUES	
Arizona	02	10	3	2	15	--	25	488	513	427	--	--	940
California	04	10	4	44	58	--	98	1,134	1,232	445	12	--	1,689
Colorado	05	28	32	25	85	20	584	1,823	2,427	1,619	145	--	4,191
Idaho	11	10	55	109	174	83	294	3,244	3,621	5,681	99	--	9,401
Montana	25	5	2	--	7	8	15	321	344	299	2	--	645
Nevada	27	71	158	160	389	--	112	7,989	8,101	7,972	587	--	16,660
New Mexico	30	24	2	--	26	--	349	457	806	525	16	--	1,347
Oregon	36	13	16	30	59	--	73	1,293	1,366	628	2	--	1,996
Utah	43	18	7	21	46	--	146	954	1,100	905	3	--	2,008
Wyoming	49	24	16	7	47	--	162	1,535	1,697	1,777	5	--	3,479
Alaska	50	3	40	20	63	475	512	1,693	2,680	4,488	3	--	7,171
BUREAU TOTAL		216	335	418	969	586	2,370	20,931	23,887	24,766	874	--	49,527

* *Based on Form 4–1573*

5093

TABLE 7

Form 4–1611
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT

[X] Force Account Protection | [ ] Bureau Summary
[ ] PD Contract Protection | Calendar Year
[ ] O&C Protection | 1964

STATE	AREA BURNED (Acres)										RESOURCE DAMAGE (Dollars)					
	FOREST						NONFOREST		TOTAL AREA		TIMBER VALUE ($100)		OTHER DAMAGE VALUE ($100)		TOTAL DAMAGES ($100)	
	COMMERCIAL		NONCOMMERCIAL		TOTAL											
	(1) FEDERAL	(2) OTHER	(3) FEDERAL	(4) OTHER	(5) FEDERAL	(6) OTHER	(7) FEDERAL	(8) OTHER	(9) FEDERAL	(10) OTHER	(11) FEDERAL	(12) OTHER	(13) FEDERAL	(14) OTHER	(15) FEDERAL	(16) OTHER
Arizona 02			10		10		724	124	734	124			12	6	12	6
California 04	6	10	443		449	10	6,144	755	6,593	765	25		350	36	375	36
Colorado 05	40	1	473	15	513	16	196	3	709	19	6		34	2	40	2
Idaho 11	1		151	130	152	130	57,651	8,817	57,803	8,947	19	15	3,575	906	3,594	921
Montana 25	12	25	42	1,280	54	1,305	7,548	18,778	7,602	20,083	8	38	195	313	203	351
Nevada 27	320		2,122	2,724	2,442	2,724	188,810	159,709	191,252	162,433	237	137	14,614	12,486	14,851	12,623
New Mexico 30	11		100	105	111	105	985	962	1,096	1,067	10	10	56	75	66	85
Oregon 36	1	75	46	20	47	95	12,594	5,649	12,641	5,744	4	15	564	281	568	296
South Dakota 40	2				2				2							
Utah 43			60	58	60	58	627	721	687	779			46	51	46	51
Wyoming 49	115	107	72	4	187	111	747	960	934	1,071	8	8	42	46	50	54
Alaska 50	1,130	420	236	85	1,366	505	1,343	150	2,709	655	114	39	99	43	213	82
BUREAU TOTALS	1,638	638	3,755	4,421	5,393	5,059	277,369	196,628	282,762	201,687	431	262	19,587	14,245	20,018	14,507

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Form 4–1611
(March 1962)

TABLE 8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT

☐ Force Account Protection | ☐ Bureau Summary
☒ PD Contract Protection | Calendar Year
☒ O&C Protection | 1964

STATE	AREA BURNED (Acres)										RESOURCE DAMAGE (Dollars)					
	FOREST						NONFOREST		TOTAL AREA		TIMBER VALUE ($100)		OTHER DAMAGE VALUE ($100)		TOTAL DAMAGES ($100)	
	COMMERCIAL		NONCOMMERCIAL		TOTAL											
	(1) FEDERAL	(2) OTHER	(3) FEDERAL	(4) OTHER	(5) FEDERAL	(6) OTHER	(7) FEDERAL	(8) OTHER	(9) FEDERAL	(10) OTHER	(11) FEDERAL	(12) OTHER	(13) FEDERAL	(14) OTHER	(15) FEDERAL	(16) OTHER
California 04	10		296	2,024	306	2,024	10,369	2,388	10,675	4,412	1		508	303	509	303
Idaho 11	2				2			5	2	5						
Montana 25	30				30				30		9				9	
Oregon 36	4				4		196		200				21		21	
Washington 47							80		80				4		4	
TOTALS	46		296	2,024	342	2,024	10,645	2,393	10,987	4,417	10		533	303	543	303
WESTERN OREGON - O&C PROTECTION																
Oregon 36	138	44	111	2	249	46	54	12	303	58	69	9	4	1	73	10
BUREAU TOTALS	184	44	407	2,026	591	2,060	10,699	2,405	11,290	4,475	79	9	537	304	616	313

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TABLE 9

Form 4–1611
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT

☐ Force Account Protection | ☒ Bureau Summary
☐ PD Contract Protection | Calendar Year
☐ O&C Protection | 19 64

STATE	AREA BURNED (Acres)										RESOURCE DAMAGE (Dollars)					
	FOREST						NONFOREST		TOTAL AREA		TIMBER VALUE ($100)		OTHER DAMAGE VALUE ($100)		TOTAL DAMAGES ($100)	
	COMMERCIAL		NONCOMMERCIAL		TOTAL											
	(1) FEDERAL	(2) OTHER	(3) FEDERAL	(4) OTHER	(5) FEDERAL	(6) OTHER	(7) FEDERAL	(8) OTHER	(9) FEDERAL	(10) OTHER	(11) FEDERAL	(12) OTHER	(13) FEDERAL	(14) OTHER	(15) FEDERAL	(16) OTHER
Force Account Protection	1,638	638	3,755	4,421	5,393	5,059	277,369	196,628	282,762	201,687	431	262	19,587	14,245	20,018	14,507
PD Contract Protection	46	--	296	2,024	342	2,024	10,645	2,393	10,987	4,417	10	--	533	303	543	303
O&C (Western Oregon) Contract Protection	138	44	111	2	249	46	54	12	303	58	69	9	4	1	73	10
BUREAU TOTALS	1,822	682	4,162	6,447	5,984	7,129	288,068	~~199,075~~ 199,033	294,052	206,162	510	271	20,124	14,549	20,634	14,820

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TABLE 10

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
SUMMARY OF FIRES BY CAUSE AND LOSSES

[X] Force Account Protection | [ ] Bureau Summary
[ ] PD Contract Protection | Calendar Year 1964
[ ] O&C Protection

STATE	LAND OCCUPANCY			INCENDIARY			MISCELLANEOUS			LIGHTNING-CAUSED			TOTAL MAN-CAUSED			GRAND TOTAL		
	(13) NO. OF FIRES	(14) ACRES BURNED	(15) DOLLAR DAMAGE ($100)	(16) NO. OF FIRES	(17) ACRES BURNED	(18) DOLLAR DAMAGE ($100)	(19) NO. OF FIRES	(20) ACRES BURNED	(21) DOLLAR DAMAGE ($100)	(22) NO. OF FIRES	(23) ACRES BURNED	(24) DOLLAR DAMAGE ($100)	(25) NO. OF FIRES	(26) ACRES BURNED	(27) DOLLAR DAMAGE ($100)	(28) NO. OF FIRES	(29) ACRES BURNED	(30) DOLLAR DAMAGE ($100)
Alaska	14	204	23	3			17	18	2	53	2,397	183	62	312	30	115	2,709	213
Arizona	1	600	6							4	48	3	4	686	9	8	734	12
California	18			12	790	33	16	5		36	2,647	133	102	3,946	242	138	6,593	6,835
Colorado	2	20	1	3	108	6	5			68	516	30	18	193	8	86	709	40
Idaho	22	2,908	177	12	8,873	600	35	8,849	922	54	34,135	1,664	102	23,668	1,930	156	57,803	3,594
Montana & S. Dakota	2	320	8	1			1			31	5,374	117	10	2,230	86	41	7,604	203
Nevada	22	19,792	1,927				34	1,014	100	68	143,241	10,038	122	48,011	4,813	190	191,252	14,851
New Mexico	1						2	865	46	16	191	18	6	905	48	22	1,096	66
Oregon	18	1,291	29	1	101	10				120	5,582	166	53	7,049	401	173	12,631	567
Utah	5						4	60	3	49	104	7	30	583	39	77	687	46
Wyoming	4	261	16				2	85		9	120	11	20	814	39	29	934	50
BUREAU TOTALS	109	25,396	2,187	32	9,872	649	116	10,896	1,073	508	194,355	12,370	529	88,397	7,645	1,035	282,752	26,441

TABLE 10

Form 4-1611 a
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
FIRES BY CAUSE, ACRES BURNED, DAMAGE SUMMARY

[X] Force Account Protection	[ ] Bureau Summary
[ ] PD Contract Protection	Calendar Year
[ ] O&C Protection	1964

STATE	EQUIPMENT			SMOKING			RECREATION			FOREST & RANGE UTILIZATION		
	(1) NUMBER OF FIRES	(2) ACRES BURNED	(3) DOLLAR DAMAGE ($100)	(4) NUMBER OF FIRES	(5) ACRES BURNED	(6) DOLLAR DAMAGE ($100)	(7) NUMBER OF FIRES	(8) ACRES BURNED	(9) DOLLAR DAMAGE ($100)	(10) NUMBER OF FIRES	(11) ACRES BURNED	(12) DOLLAR DAMAGE ($100)
Alaska 50	2			9	67	4	16	23	1	1		
Arizona 02				1	2					2	84	3
California 04	19	684	30	21			14	2,467	179	2		
Colorado 05				2	40	2	2	20	1	4	5	
Idaho 11	10	1,500	71	9	1,125	118	7	242	22	7	171	20
Montana & S. Dakota							5	1,560	75	1	350	3
Nevada 27	24	14,793	1,523	26	6,546	904	7	5,167	287	9	699	72
New Mexico 30				1			2	40	2			
Oregon 36	11	743	38	12	713	59	11	4,201	265			
Utah 43	8	23	2	5	6	1	6	14	1	2	480	42
Wyoming 49				2	3		9	465	23	3		
BUREAU TOTALS	74	17,743	1,664	88	8,502	1,088	79	14,199	856	31	1,789	140

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TABLE 11

Form 4-1611 a
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
FIRES BY CAUSE, ACRES BURNED, DAMAGE SUMMARY

A ☐ Force Account Protection ☐ Bureau Summary
B ☐ PD Contract Protection Calendar Year
C ☒ O&C Protection 19 64

STATE		EQUIPMENT			SMOKING			RECREATION			FOREST & RANGE UTILIZATION		
		(1) NUMBER OF FIRES	(2) ACRES BURNED	(3) DOLLAR DAMAGE ($100)	(4) NUMBER OF FIRES	(5) ACRES BURNED	(6) DOLLAR DAMAGE ($100)	(7) NUMBER OF FIRES	(8) ACRES BURNED	(9) DOLLAR DAMAGE ($100)	(10) NUMBER OF FIRES	(11) ACRES BURNED	(12) DOLLAR DAMAGE ($100)
Oregon, P D	36				2	4							
California	04	5	675	3,300	19	4,634	21,200	9	83	500	1	1,995	10,000
Idaho	11										1	1	
Montana	25							1					
Washington	47				1			2	80	400	2		
TOTAL		5	675	3,300	22	4,638	21,200	12	163	900	4	1,996	10,000
Oregon, O&C	36	5	2		10	43	400	1			14	57	5
BUREAU TOTALS		10	677	3,300	32	4,671	21,600	13	163	900	18	2,053	10,005

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TABLE 11

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
SUMMARY OF FIRES BY CAUSE AND LOSSES

☐ Force Account Protection | ☐ Bureau Summary
☒ PD Contract Protection | Calendar Year
☒ O&C Protection | 1964

STATE		LAND OCCUPANCY			INCENDIARY			MISCELLANEOUS			LIGHTNING-CAUSED			TOTAL MAN-CAUSED			GRAND TOTAL		
		(13) NO. OF FIRES	(14) ACRES BURNED	(15) DOLLAR DAMAGE ($100)	(16) NO. OF FIRES	(17) ACRES BURNED	(18) DOLLAR DAMAGE ($100)	(19) NO. OF FIRES	(20) ACRES BURNED	(21) DOLLAR DAMAGE ($100)	(22) NO. OF FIRES	(23) ACRES BURNED	(24) DOLLAR DAMAGE ($100)	(25) NO. OF FIRES	(26) ACRES BURNED	(27) DOLLAR DAMAGE ($100)	(28) NO. OF FIRES	(29) ACRES BURNED	(30) DOLLAR DAMAGE ($100)
Oregon, PD	36	3			1	190	2,000				8	6	100	6	194	2,000	14	200	2,100
California	04	7	200	1,400	8	2,828	13,700	8	187	500	7	73	300	57	10,602	50,600	64	10,675	50,900
Idaho	11										3	1		1	1		4	2	
Montana	25										3	30	900	1			4	30	900
Washington	47										2			5	80	400	7	80	400
TOTAL		10	200	1,400	9	3,018	15,700	8	187	500	23	110	1,300	70	10,877	53,000	93	10,987	55,300
Oregon, O&C	36	5	152	5,200	3	37	700	3	12	500	15			41	303	7,300	56	303	7,300
BUREAU TOTALS		15	352	6,600	12	3,055	16,400	11	199	1,000	38	110	1,300	111	11,180	60,300	149	11,290	62,600

TABLE 12

Form 4-1611 a
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
FIRES BY CAUSE, ACRES BURNED, DAMAGE SUMMARY

☐ Force Account Protection | ☒ Bureau Summary
☐ PD Contract Protection | Calendar Year
☐ O&C Protection | 19 64

STATE	EQUIPMENT			SMOKING			RECREATION			FOREST & RANGE UTILIZATION		
	(1) NUMBER OF FIRES	(2) ACRES BURNED	(3) DOLLAR DAMAGE $100.	(4) NUMBER OF FIRES	(5) ACRES BURNED	(6) DOLLAR DAMAGE $100	(7) NUMBER OF FIRES	(8) ACRES BURNED	(9) DOLLAR DAMAGE $100.	(10) NUMBER OF FIRES	(11) ACRES BURNED	(12) DOLLAR DAMAGE ($100)
Alaska	2	--	--	9	67	4	16	23	1	1	--	--
Arizona	--	--	--	1	2	--	--	--	--	2	84	3
California	24	1,359	63	40	4,634	212	23	2,550	184	3	1,995	100
Colorado	--	--	--	2	40	2	2	20	1	4	5	--
Idaho	10	1,500	71	9	1,125	118	7	242	22	8	172	20
Minnesota	--	--	--	--	--	--	--	--	--	--	--	--
Montana (& So. Dakota)	--	--	--	--	--	--	6	1,560	75	1	350	3
Nevada	24	14,793	1,523	26	6,546	904	7	5,167	287	9	699	72
New Mexico	--	--	--	1	--	--	2	40	2	--	--	--
Oregon (West)	5	2	--	9	43	4	1	--	--	13	57	5
Oregon (East)	11	743	38	14	717	59	11	4,201	265	--	--	--
Utah	8	23	2	5	6	1	6	14	1	2	480	32
Washington	--	--	--	1	--	--	2	80	4	2	--	--
Wyoming	--	--	--	2	3	--	9	465	23	3	--	--
BUREAU TOTALS	84	18,420	1,697	119	13,183	1,304	92	14,362	865	48	3,842	235

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TABLE 12

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
SUMMARY OF FIRES BY CAUSE AND LOSSES

☐ Force Account Protection | ☒ Bureau Summary
☐ PD Contract Protection | Calendar Year 1964
☐ O&C Protection

STATE	LAND OCCUPANCY			INCENDIARY			MISCELLANEOUS			LIGHTNING-CAUSED			TOTAL MAN-CAUSED			GRAND TOTAL		
	(13) NO. OF FIRES	(14) ACRES BURNED	(15) DOLLAR DAMAGE ($100)	(16) NO. OF FIRES	(17) ACRES BURNED	(18) DOLLAR DAMAGE ($100)	(19) NO. OF FIRES	(20) ACRES BURNED	(21) DOLLAR DAMAGE ($100)	(22) NO. OF FIRES	(23) ACRES BURNED	(24) DOLLAR DAMAGE ($100)	(25) NO. OF FIRES	(26) ACRES BURNED	(27) DOLLAR DAMAGE ($100)	(28) NO. OF FIRES	(29) ACRES BURNED	(30) DOLLAR DAMAGE ($100)
Alaska	14	204	23	3	--	--	17	18	2	53	2,397	183	62	312	30	115	2,709	213
Arizona	1	600	6	--	--	--	--	--	--	4	48	3	4	686	9	8	734	12
California	25	200	14	20	3,618	170	24	192	.5	43	2,720	136	159	14,548	748	202	17,268	884
Colorado	2	20	1	3	108	6	5	--	--	68	516	30	18	193	8	86	709	40
Idaho	22	2,908	177	12	8,873	600	35	8,849	922	57	34,136	1,664	103	23,669	1,930	160	57,805	3,594
Minnesota	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Montana (& So.Dakota)	2	320	8	1	--	--	1	--	--	34	5,404	126	11	2,230	86	45	7,634	212
Nevada	22	19,792	1,927	--	--	--	34	1,014	100	68	143,241	10,038	122	48,011	4,813	190	191,252	14,851
New Mexico	1	--	--	--	--	--	2	865	46	16	191	18	6	905	48	22	1,096	66
Oregon (West)	5	152	52	3	37	7	3	12	5	15	--	--	39	303	73	54	303	73
Oregon (East)	21	1,291	29	2	291	30	9	10	1	128	5,588	167	68	7,253	423	196	12,841	589
Utah	5	--	--	--	--	--	4	60	3	47	104	7	30	583	39	77	687	46
Washington	--	--	--	--	--	--	--	--	--	2	--	--	5	80	4	7	80	4
Wyoming	4	261	16	--	--	--	2	85	--	9	120	11	20	814	39	29	934	50
Bureau Totals	124	25,748	2,253	44	12,927	813	136	11,105	1,084	544	194,465	12,383	647	99,587	8,250	1,191	294,052	20,634

Form 4–1611b
(March 1962)

TABLE 13

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
NUMBER OF FIRES BY SIZE CLASS

[X] Force Account Protection
[ ] PD Contract Protection
[ ] O&C Protection

[ ] Bureau Summary
Calendar Year 1964

STATE		BY CLASSES* A (1) FEDERAL	A (2) OTHER	B (3) FEDERAL	B (4) OTHER	C (5) FEDERAL	C (6) OTHER	D (7) FEDERAL	D (8) OTHER	E (9) FEDERAL	E (10) OTHER	F (11) FEDERAL	F (12) OTHER	G (13) FEDERAL	G (14) OTHER	TOTAL (15) FEDERAL	TOTAL (16) OTHER
Arizona	02	2		3	1	2			1	1						8	2
California	04	51		47	1	20	2	4		5	1	8		3		138	4
Colorado	05	65		10	2	10				1						86	2
Idaho	11	40		37	23	31	17	19	8	16		10		3		156	48
Montana	25	11		11	9	8	7	2	2	2	3	6				40	21
Nevada	27	91		48	71	12	21	8	2	11	3	10	2	10		190	99
New Mexico	30	10		5		2		3	2	2						22	2
Oregon	36	104		41	8	18	5	7	1	6		6				182	14
South Dakota	40			1												1	
Utah	43	54		14	3	6	2	1				2				77	5
Wyoming	49	8		10	2	6	2	3		2						29	4
Alaska	50	55		37	14	14	8	7	1	2						115	23
BUREAU TOTALS		491		264	134	129	64	54	17	48	7	42	2	16		1,044	224

*Fire Size Classes
A – 0 – .25 acres
B – .26 – 10 acres
C – 10.1 – 100 acres
D – 100.1 – 300 acres
E – 300.1 – 1000 acres
F – 1000.1 – 5000 acres
G – over 5000 acres

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TABLE 14

Form 4–1611b
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
NUMBER OF FIRES BY SIZE CLASS

B ☐ Force Account Protection ☐ Bureau Summary
B ☒ PD Contract Protection Calendar Year
C ☒ O&C Protection 1964

STATE		BY CLASSES* A (1) FEDERAL	A (2) OTHER	B (3) FEDERAL	B (4) OTHER	C (5) FEDERAL	C (6) OTHER	D (7) FEDERAL	D (8) OTHER	E (9) FEDERAL	E (10) OTHER	F (11) FEDERAL	F (12) OTHER	G (13) FEDERAL	G (14) OTHER	TOTAL (15) FEDERAL	TOTAL (16) OTHER
California	04	19		27	2	9	2	1	1	5	2	3	2			64	9
Idaho	11	2		2												4	
Montana	25	3				1										4	
Oregon	36	11		2				1								14	
Washington	47	6				1										7	
TOTALS		41		31	2	11	2	2	1	5	2	3	2			93	9
O&C PROTECTION																	
Western Oregon	36	34		16		3	2			1						54	2
BUREAU TOTALS		75		47	2	14	4	2	1	6	2	3	2			147	11

*Fire Size Classes
A – 0 – .25 acres
B – .26 – 10 acres
C – 10.1 – 100 acres
D – 100.1 – 300 acres
E – 300.1 – 1000 acres
F – 1000.1 – 5000 acres
G – over 5000 acres

5090

Form 4–1611b
(March 1962)

TABLE 15

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
NUMBER OF FIRES BY SIZE CLASS

[X] Force Account Protection
[X] PD Contract Protection
[X] O&C Protection

[X] Bureau Summary
Calendar Year 1964

STATE		BY CLASSES* A (1) FEDERAL	A (2) OTHER	B (3) FEDERAL	B (4) OTHER	C (5) FEDERAL	C (6) OTHER	D (7) FEDERAL	D (8) OTHER	E (9) FEDERAL	E (10) OTHER	F (11) FEDERAL	F (12) OTHER	G (13) FEDERAL	G (14) OTHER	TOTAL (15) FEDERAL	TOTAL (16) OTHER
Arizona	02	2		3	1	2			1	1						8	2
California	04	70		74	3	29	4	5	1	10	3	11	2	3		202	13
Colorado	05	65		10	2	10				1						86	2
Idaho	11	42		39	23	31	17	19	8	16		10		3		160	48
Montana	08	14		11	9	9	7	2	2	2	3	6				44	21
Nevada	27	91		48	71	12	21	8	2	11	3	10	2	10		190	99
New Mexico	30	10		5		2		3	2	2						22	2
Oregon	36	149		59	8	21	7	8	1	7		6				250	16
South Dakota	40			1												1	
Utah	43	54		14	3	6	2	1				2				77	5
Washington	47	6				1										7	
Wyoming	49	8		10	2	6	2	3		2						29	4
Alaska	50	55		37	14	14	8	7	1	2						115	23
BUREAU TOTALS		566		311	136	143	68	56	18	54	9	45	4	16		1,191	235

*Fire Size Classes
A – 0 – .25 acres
B – .26 – 10 acres
C – 10.1 – 100 acres
D – 100.1 – 300 acres
E – 300.1 – 1000 acres
F – 1000.1 – 5000 acres
G – over 5000 acres

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Form 4–1611 c
(March 1962)

TABLE 16
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
NUMBER OF FIRES BY CAUSES

E	[X] Force Account Protection	[ ] Bureau Summary
F	[ ] PD Contract Protection	Calendar Year
G	[ ] O&C Protection	1964

STATE		BY CAUSES*																	
		LI		E		S		R		U		LO		I		MI		TOTAL	
		(17) FEDERAL	(18) OTHER	(19) FEDERAL	(20) OTHER	(21) FEDERAL	(22) OTHER	(23) FEDERAL	(24) OTHER	(25) FEDERAL	(26) OTHER	(27) FEDERAL	(28) OTHER	(29) FEDERAL	(30) OTHER	(31) FEDERAL	(32) OTHER	(33) FEDERAL	(34) OTHER
Arizona	02	4	1			1				2	1	1						8	2
California	04	36	3	19	1	21		14		2		18		12		16		138	4
Colorado	05	68	2			2		2		4		2		3		5		86	2
Idaho	11	54	3	10	7	9	4	7	4	7		22	14	12	2	35	14	156	48
Montana	25	30	14		1			5	2	1	1	2	1	1	1	1	1	40	21
Nevada	27	68	9	24	48	26	15	7	1	9	2	22	14			34	10	190	99
New Mexico	30	16				1	1	2				1	1			2		22	2
Oregon	36	120	6	11	2	12	1	11			1	18	2	1	1	9	1	182	14
South Dakota	40	1																1	
Utah	43	47	1	8		5	1	6	2	2		5	1			4		77	5
Wyoming	49	9				2		9	1	3		4	2			2	1	29	4
Alaska	50	53		2	1	9	3	16	4	1	1	14	10	3		17	4	115	23
BUREAU TOTALS		506	39	74	60	88	25	79	14	31	6	109	45	32	4	125	31	1,044	224

*Fires by Causes Coded in Item 10 first card DI–1200 Code Columns 16 and 17:
Lightning – LI, Code 10
Equipment – E, Code 20
Smoking – S, Code 30
Recreation – R, Code 40
Forest & Range Utilization – U, Code 50
Land Occupancy – LO, Code 60
Incendiary – I, Code 70
Miscellaneous – MI, Code 80

5089

TABLE 17

Form 4–1611 c
(March 1962)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
NUMBER OF FIRES BY CAUSES

F
G

☐ Force Account Protection
☒ PD Contract Protection
☒ O&C Protection

☐ Bureau Summary
Calendar Year 19 64

STATE		BY CAUSES*																	
		LI		E		S		R		U		LO		I		MI		TOTAL	
		(17) FEDERAL	(18) OTHER	(19) FEDERAL	(20) OTHER	(21) FEDERAL	(22) OTHER	(23) FEDERAL	(24) OTHER	(25) FEDERAL	(26) OTHER	(27) FEDERAL	(28) OTHER	(29) FEDERAL	(30) OTHER	(31) FEDERAL	(32) OTHER	(33) FEDERAL	(34) OTHER
California	04	7		5		19	1	9	1	1	1	7	2	8	3	8	1	64	9
Idaho	11	3								1								4	
Montana	25	3						1										4	
Oregon	36	8				2						3		1				14	
Washington	47	2				1		2		2								7	
TOTAL		23		5		22	1	12	1	4	1	10	2	9	3	8	1	93	9
O&C Protection - Western Oregon																			
Oregon	36	15		5		9	1	1		13	1	5		3		3		54	2
BUREAU TOTALS		38		10		31	2	13	1	17	2	15	2	12	3	11	1	147	11

*Fires by Causes Coded in Item 10 first card DI–1200 Code Columns 16 and 17:
Lightning – LI, Code 10
Equipment – E, Code 20
Smoking – S, Code 30
Recreation – R, Code 40
Forest & Range Utilization – U, Code 50
Land Occupancy – LO, Code 60
Incendiary – I, Code 70
Miscellaneous – MI, Code 80

5089

Form 4–1611 c
(March 1962)

TABLE 18

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

ANNUAL FIRE REPORT
NUMBER OF FIRES BY CAUSES

☐ Force Account Protection | ☒ Bureau Summary
☐ PD Contract Protection | Calendar Year
☐ O&C Protection | 1964

STATE		BY CAUSES*																	
		LI		E		S		R		U		LO		I		MI		TOTAL	
		(17) FEDERAL	(18) OTHER	(19) FEDERAL	(20) OTHER	(21) FEDERAL	(22) OTHER	(23) FEDERAL	(24) OTHER	(25) FEDERAL	(26) OTHER	(27) FEDERAL	(28) OTHER	(29) FEDERAL	(30) OTHER	(31) FEDERAL	(32) OTHER	(33) FEDERAL	(34) OTHER
Alaska	50	53		2	1	9	3	16	4	1	1	14	10	3		17	4	115	23
Arizona	02	4	1			1				2	1	1						8	2
California	04	43	3	24	1	40	1	23	1	3	1	25	2	20	3	24	1	202	13
Colorado	05	68	2			2		2		4		2		3		5		86	2
Idaho	11	57	3	10	7	9	4	7	4	8		22	14	12	2	35	14	160	48
Montana	25	33	14		1			6	2	1	1	2	1	1	1	1	1	44	21
Nevada	27	68	9	24	48	26	15	7	1	9	2	22	14			34	10	190	99
New Mexico	30	16				1	1	2				1	1			2		22	2
Oregon (Eastern)	36	128	6	11	2	14	1	11			1	21	2	2	1	9	1	196	14
(Western)		15		5		9	1	1		13	1	5		3		3		54	2
South Dakota	40	1																1	
Utah	43	47	1	8		5	1	6	2	2		5	1			4		77	5
Washington	47	2				1		2		2								7	
Wyoming	49	9				2		9	1	3		4	2			2	1	29	4
BUREAU TOTALS		544	39	84	60	119	27	92	15	48	8	124	47	44	7	136	32	1,171	235

*Fires by Causes Coded in Item 10 first card DI–1200 Code Columns 16 and 17:
Lightning – LI, Code 10
Equipment – E, Code 20
Smoking – S, Code 30
Recreation – R, Code 40
Forest & Range Utilization – U, Code 50
Land Occupancy – LO, Code 60
Incendiary – I, Code 70
Miscellaneous – MI, Code 80

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